

# Proportional pressure control valve VEAB-B-26-D13-F-V1-1R1

FESTO

Part number: 8067669



[PDF General operating condition](#)

## Data sheet

| Feature   | Value                                     |
|---|---|
| Valve function                                    | 3-way proportional pressure control valve |
| Type of control                                   | Direct                                    |
| Reset method                                      | Mechanical spring                         |
| Actuation type                                    | Electrical                                |
| Mounting position                                 | Any                                       |
| Sealing principle                                 | Soft                                      |
| Total leakage                                     | 1 l/h                                     |
| Symbol  | 00995607                                  |
| Ambient temperature                               | 0 °C ... 50 °C                            |
| Temperature of medium                             | 5 °C ... 50 °C                            |
| Storage temperature                               | -20 °C ... 70 °C                          |
| Dimensions W x L x H                              | 18 mm x 67 mm x 66 mm                     |
| Pneumatic connection 1                            | Flange                                    |
| Pneumatic connection 2                            | Flange                                    |
| Pneumatic connection 3                            | Flange                                    |
| Seals material                                    | NBR                                       |
| Type of mounting                                  | With through-hole<br>With accessories     |
| Inlet pressure 1 MPa                              | 0 MPa ... 0.2 MPa                         |
| Inlet pressure 1                                  | 0 bar ... 2 bar                           |
| Inlet pressure 1 psi                              | 0 psi ... 29 psi                          |
| Output pressure 2                                 | -0.1 MPa ... 0.1 MPa                      |
| Outlet pressure 2                                 | -1 bar ... 1 bar                          |
| Output pressure 2                                 | -14.5 psi ... 14.5 psi                    |
| Inlet pressure 3                                  | -0.1 MPa                                  |
| Inlet pressure 3                                  | -1 bar                                    |
| Inlet pressure 3                                  | -14.5 psi                                 |
| Normal nominal flow rate (normalized to DIN 1343) | ≥17 l/min                                 |
| Standard nominal flow rate 2-3                    | ≥13 l/min                                 |
| Linearity   | 0.5 %FS                                   |
| Reproducibility                                   | 0.4 %FS                                   |
| Hysteresis  | 0.25 %FS                                  |
| Temperature coefficient                           | 0.05 %/K                                  |
| Overall accuracy                                  | 0.75 %FS                                  |

| Feature                                      | Value   |
|--|---|
| Product weight                               | 70 g  |
| Operating medium                             | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gases  |
| Information on operating and pilot media     | Operation with oil lubrication not possible   |
| Degree of protection                         | IP65  |
| Certification                                | RCM compliance mark   |
| KC characters                                | KC EMC  |
| CE marking (see declaration of conformity)   | As per EU EMC directive<br>As per EU RoHS directive   |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions   |
| Note on materials                            | RoHS-compliant  |
| LABS (PWIS) conformity                       | VDMA24364 zone III  |
| Corrosion resistance class (CRC)             | 2 - Moderate corrosion stress   |
| DC operating voltage range                   | 19 V ... 29 V   |
| Nominal operating voltage DC                 | 24 V  |
| Residual ripple                              | 10 %  |
| Reference value                              | 0 - 10 V  |
| Analog output signal range                   | 0 - 10 V  |
| Precision analog output in ± %FS             | 2 %FS   |
| Max. electrical power consumption            | 1 W   |
| Reverse polarity protection                  | for all electrical connections  |
| Short-circuit protection                     | For all electrical connections  |
| Safety instructions                          | VEAA/VEAB safety position: if the electrical power supply is lost, the outlet pressure is maintained in uncontrolled form, it may increase or fall – pneumatic valve blocked. |
| Display type                                 | LED   |
| Electrical connection                        | M8x1<br>Plug<br>as per EN 60947-5-2   |
| Housing material                             | PA-reinforced   |